

REX-8

SBQ type Rotary Screen Emulsion (Bichromate-Free)

Application

- Photo emulsion for textile printing with rotary screen.

Features

- One pot presensitized emulsion, ready-to-use. No diazo required.
- REX-8 is bichromate free, which is safe and good for environment, and also stable for long storage compared with normal bichromate emulsion.
- Ultra-high sensitive emulsion designed for DLE(Digital Light Engraver) system.
- Good resolution, and excellent in the image reproducibility.
- Good chemical resistance.
- Easy developing to save your working time.

Specification

- Viscosity...apx5,000mPa·s(25°C)
Color...Green
- Package...1kg,5kg set
※ Please inquire other size.

Resistance

Test Solvent	Evaluation	Test Solvent	Evaluation
Water	Excellent	Ethylene Glycol Methyl Ether	Good
Xylene	Good	Cyclohexane	Good
Acetone	Good	5%Sodium Hydroxide	Good
Ethyl Acetate	Good	5%Sulfuric acid	Good
Ethylene Glycol	Good	10%chromic acid	Good



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Usage

<Preparation>

FOR Double Squeegee

- Control viscosity of REX-8 by adding water to emulsion (around 0-100g / 1,000g Emulsion)

FOR Single Squeegee

- Control viscosity of REX-8 by adding water to emulsion (around 200-500g / 1,000g Emulsion)
- After adding water to REX-8, store it at cool and dark places one day or filter it with screen mesh etc.to remove bubbles prior usage.

<Making stencil>

- Coat REX-8 on a screen slowly not to contain bubbles into screen opening.
- After coating on a rotary screen, dry screen completely with warm air around 40°C(20-40 min.)
- After drying, expose the coated screen.(Guide line: DLE system 200~300rpm)※
(※Figures above are only a guideline, please find out your best exposure time by step test.)
- After exposure, soak the screen mask into water for 1 to 2 minutes, and develop image by the developing unit.
- Once image is developed roughly, develop image detail parts and inside of the screen with low pressure water.
- After the screen is completely dried, repair some pinholes if you found.

<Heat hardening>

- After drying, harden emulsion on the screen with drying chamber at 180°C for 60-90 min.
- ※ Heating at low temperature leads to insufficient hardening of emulsion.
- After taken out from a drying chamber, the coated screen should be cooled down at room temperature.

【Caution】

- REX-8 needs to be stored in a cool and UV safe place.
- After use, it's recommended to filter remaining emulsion to prevent foreign particles prior to pour it back to a bottle